_____ FINISH, SURFACE TOLERANCES, AND CURING SCHEDULE

The type of concrete finish, surface tolerance, and curing method shall be as specified in tables _____ (Formed surfaces) and _____ (Unformed surfaces) below. Allowable tolerances are specified in table _____ (Concrete surface tolerances) of paragraph _____ (Structural Deviations and Surface Tolerances for Concrete Construction) [1](and on drawings _____). Structural variations shall be in accordance with paragraph _____ (Structural Deviations and Surface Tolerances for Concrete Construction).

Table _____ - Formed surfaces

Surface	[2]Finish	[3]Maximum allowable tolerances	[4]Curing method
Surfaces upon or against which fill material or concrete is to be placed	F1	T1	Water; white wax-base, or white water-emulsified resin-base curing compound
Surfaces not permanently concealed by fill material or concrete where appearance is not critical:	F2	T2 and T3	Water; white wax-base, or white water-emulsified resin-base curing compound
Canal and lateral structures	F2	T3	Water; white wax-base, or white water-emulsified resin-base curing compound
Inside surfaces: siphons, culverts and formed tunnel linings	F2	T___ (Designer specified)	Water; white wax-base, or white water-emulsified resin-base curing compound
Formed tunnel linings where relative humidity as measured by the Government exceeds 85 percent at placement site	F2	T___ (Designer specified)	Curing seal not required
Structures appurtenant to earth dams	F2	T3	Water; white wax-base, or white water-emulsified resin-base curing compound
Concrete dams and appurtenant structures except	F2	T3	Water; white wax-base, or white water-emulsified

as noted below:			resin-base curing compound
Galleries and tunnels in dams	F2	T2	Water; white wax-base, or white water-emulsified resin-base curing compound
Bridges: super-structure (not including road-way surface) and exposed portion of retaining walls	F2	T3	Water; white wax-base, or white water-emulsified resin-base curing compound
Surfaces exposed prominently to view or where appearance is important:	F3	T5	Clear curing compounds: water-emulsified resin-base, or [5]CRC-101 if outdoors
Dam and bridge parapets and dec-orative features	F3	T5	Clear curing compounds: water-emulsified resin-base, or [5]CRC-101
Surfaces of trapezoidal road crossings	F3	T5	Clear curing compounds: water-emulsified resin-base, or [5]CRC-101
Underwater structures accommodating mechanical features such as gates and trashracks	F3	T3	Water; white wax-base, or white water-emulsified resin-base curing compound
Interior walls and ceilings of vaults, sumps, pullboxes, and entry boxes	F2	T4	Water; white wax-base, or white water-emulsified resin-base curing compound
Interior walls of elevator hoistway, chases, and ducts	F2	T4	Clear curing compound: water-emulsified resin-base
Other interior walls and ceilings	F2	T5	Clear curing compound: water-emulsified resin-base
Indoor and outdoor curbs	F2	T5	[6]Polyethylene film or clear water-emulsified resin-base curing compound

Exposed surfaces of switchyard foundations	F2	T5	Clear curing compounds: water-emulsified resin-base or [5]CRC-101
Stair risers	F2	T5	[6]Polyethylene film
Pedestals and equipment foundations	F2	T5	Clear curing compounds: water-emulsified resin-base or [5]CRC-101; or [6]polyethylene film
Construction joints and surfaces to be covered by grout	F2	T___ (Designer specified)	Water or white wax-base curing compound
Expansion joints	F2	T___ (Designer specified)	Water; white wax-base or white water-emulsified resin-base curing compound
Contraction joints	F2	T___ (Designer specified)	White wax-base curing compound
(Suction)(Draft) tubes	F4	T___ (Designer specified)	Water; white wax-base, or white water-emulsified resin-base curing compound

Table _____ - Unformed surfaces

Surface	[2]Finish	[3]Maximum allowable tolerances	[4]Curing method
Surfaces to be wax-covered by fill material or concrete	U1 (screeded)	T1	Water; white base or white water-emulsified resin base curing compound, or [6]polyethylene film
Surfaces of operating platforms or canal structures	U1	T2	[6]Polyethylene film
Surfaces to be covered by grout	U1	T3	Water; white wax-base, or white water-emulsified resin-base curing

			compound
Canal structures	U2 (floated)	T2	Water; white wax-base, or white water-emulsified resin-base curing compound
Outdoor entrance slabs, walks, and stoops	U2	[7]T3/T5	[6]Polyethylene film
Outdoor curbs and gutters	U2	[7]T3/T5	[6]Polyethylene film
Outdoor decks and roofs	U2	T5	[6]Polyethylene film
Outdoor equipment slabs and foundations	U2	[7]T3/T5	[6]Polyethylene film
Tops of piers for bridges and transmission lines	U2	T3	Water; white wax-base, or white water-emulsified resin-base curing compound
Tops of walls not prominently exposed to public view	U2	T4	Water or [6]polyethylene film
Tops of walls prominently exposed to public view	U2	T5	[6]Polyethylene film or clear curing compound: water-emulsified resin-base curing compound or [5]CRC-101
Roadway slabs and concrete bridges not to be covered by sealant	U2 plus broom finish	T3	Water or [6]polyethylene film
Floors of access/ service tunnels and galleries	U2 plus broom finish	T3	[6]Polyethylene film
Floors of vaults, sumps, pullboxes, and entry boxes	U2	T5	Water; white wax-base, or white water-emulsified resin-base curing compound
Floors of elevator hoistway, chases, and ducts	U2	T5	[6]Polyethylene film
Subfloor surfaces	U2	T5	Water or

not otherwise listed			[6]polyethylene film
Indoor subfloors to receive finish flooring	U3	[8]See drawing ___ (___-___-____)	[6]Polyethylene film
Indoor curbs	U2	T5	[6]Polyethylene film
Masonry substrate	U2	T5	Water or [6]polyethylene film
Temporary diversion conduits	U2	T___ (Designer specified)	Water; white wax-base, or white water-emulsified resin-base curing compound
Floors: spillways, outlet works and stilling basins	U3 (troweled)	T___ (Designer specified)	Water or [6]polyethylene film
(Suction)(Draft) tubes and inverts of tunnel spillways	U3	T___ (Designer specified)	[6]Polyethylene film; water; white wax-base, or white water-emulsified resin-base curing compound
Inverts of tunnels not subject to high-velocity flow	U3	T2	Water; white wax-base, or white water-emulsified resin-base curing compound
Canal, lateral, and drain linings[12]	U3	T___ (Designer specified)	White curing compound: wax-base, or water-emulsified resin-base curing compound
Stair treads and landings	U3	[8]See drawing ___ (___-___-____)	[6]Polyethylene film
Indoor trench bottoms	U3	[8]See drawing ___ (___-___-____)	[6]Polyethylene film

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[1]Delete if no surface tolerances are specified on the drawings, i.e., for architectural surfaces.
[2]See paragraph _____ (Finishes and Finishing). Conc 16.
[3]See table ___ (Concrete surface tolerances) of paragraph _____ (Structural Deviations and Surface Tolerances for Concrete Construction). Conc 26.
[4]See paragraph _____ (Curing). Conc 18.
[5]Verify use of CRC-101 with laboratory and field. CRC-101 shall not be applied in enclosed spaces. Do not use for interior applications.

[6]Specify clear film (or white film if the reflectance of white sheeting is required to prevent the temperature of concrete from becoming excessive due to the sun's radiation; such as for thin, horizontal slabs in warm climates).
[7]Use T3 for locations not prominently exposed to public view. Use T5 for architectural surfaces.
[8]No abrupt irregularities allowed. Maximum allowable gradual irregularity: 1/240 inch/inch. Coordinate with designer to indicate tolerance on drawing, and reference drawing number in table.